

Claims:

1. A wireless device, comprising:
first and second antennas;
first and second transceivers; and
a switch to select first and second antennas to couple to the first transceiver to provide diversity, wherein the switch further selects the first antenna or the second antenna not coupled to the first transceiver to couple to the second transceiver.
2. The wireless device of claim 1 wherein the first transceiver is a Wireless Local Area Network (WLAN) transceiver.
3. The wireless device of claim 1 wherein the second transceiver is a Bluetooth™ transceiver.
4. The wireless device of claim 3 wherein the Bluetooth™ transceiver uses the first and second antennas that are for WLAN signaling to enable Bluetooth™ signaling in the wireless device.
5. The wireless device of claim 1 wherein the first and second transceivers are separate modules assembled with the switch on a board and cable connected to the first and second antennas.

6. A transceiver system comprising:
first and second antennas;
first and second transceivers; and
a switch controlled to provide a first signal received from the first antenna or a second signal received from the second antenna to the first transceiver where control is based on signal strength of the first and second signals, wherein the switch is further controlled to provide the first or second signal that is not provided to the first transceiver to the second transceiver.
7. The transceiver system of claim 6 wherein the first transceiver is a Wireless Local Area Network (WLAN) transceiver.
8. The transceiver system of claim 6 wherein the second transceiver is a BluetoothTM transceiver.
9. The transceiver system of claim 6 further including a processor where the first and second transceivers are embedded with the processor as a mixed-mode integrated circuit.
10. The transceiver system of claim 9 further including Flash memory coupled to the processor.

11. A method, comprising:
selecting a first antenna or a second antenna to provide a signal to a WLAN transceiver; and
using the antenna not selected to provide the signal to the WLAN transceiver for providing a signal for a Bluetooth™ transceiver.
12. The method of claim 11 wherein selecting a first antenna or a second antenna further includes determining signal strength of the signal provided by the first and second antennas.
13. The method of claim 12 wherein selecting a first antenna or a second antenna further includes using a switch controlled to select the signal provided to the WLAN transceiver.
14. The method of claim 11 further including using the first and second antennas that are for WLAN signaling to enable Bluetooth™ signaling in a wireless device.
15. The method of claim 14 further including using a flash memory to store data received by the wireless device.